(2) inspecting said parts for defects, and reducing injection stroke in response to any flashing or increasing injection stroke in response to any short shots; and

(3) inspecting said parts for defects, and reducing injection velocity in response to any flashing or increasing injection velocity in response to any short shots;

wherein either step (3) is employed after step (2) if step (2) is found to have substantially no effect or substantially no further effect, or step (2) is employed after step (3) if step (3) is found to have substantially no effect or substantially no further effect, thereby reducing said defects.

2. ~~36.~~ (Amended) A method as claimed in claim 1, including:

determining a velocity control response time for said injection molding machine, and

employing time steps equal to or greater than said velocity control response time.

38. (Amended) A method as claimed in claim 2, wherein nozzle melt pressure, injection cylinder hydraulic pressure, or forward propelling force applied to said screw is used as a measure of, in place of, or to determine, said injection pressure.

39. (Amended) A method as claimed in claim 2, wherein injection cylinder hydraulic pressure is used as a measure of or to determine said injection pressure.

8. ~~58.~~ (Amended) A method as claimed in claim ~~35~~ 7, including:

determining a velocity control response time for said injection molding machine, and

employing time steps equal to or greater than said velocity control response time.

B4

9. ~~59.~~ (Amended) A method as claimed in claim ~~33~~ 4, wherein nozzle melt pressure, injection cylinder hydraulic pressure, or forward propelling force applied to said screw is used as a measure of, in place of, or to determine, injection pressure.